

CLAIMS

1. A fuel cell system comprising:

a fuel cell; and

5 temperature-controlling means that controls the temperature of the fuel cell by performing a heat transfer from a source of heat generation provided in electrical equipment to the fuel cell.

2. The fuel cell system according to claim 1, wherein the
10 temperature-controlling means is a heat-transfer path that transfers a required quantity of heat.

3. The fuel cell system according to claim 2, wherein the heat-transfer path is a flow path of a fluid that mediates the heat transfer.

15 4. The fuel cell system according to claim 3, wherein the flow path is disposed so as to be adjacent to a heat sink that receives heat from the source of heat generation.

5. The fuel cell system according to claim 3, wherein the fluid is at least one of a fuel fluid and a fluid for
20 oxidation used for a power generation.

6. The fuel cell system according to claim 5, wherein the temperature of the at least one of the fuel fluid and the fluid for oxidation is controlled in the flow path.

7. The fuel cell system according to claim 1, further
25 comprising a reformer, wherein the temperature-controlling

means controls the temperature of the reformer by the heat transfer.

8. The fuel cell system according to claim 1, further comprising a carburetor, wherein the temperature-controlling
5 means controls the temperature of the carburetor by the heat transfer.

9. The fuel cell system according to claim 1, further comprising heat-exhausting means that exhausts an excessive quantity of heat transferred to the fuel cell.

10 10. The fuel cell system according to claim 9, wherein the heat-exhausting means is a heat-exhausting path that exhausts the excessive quantity of heat.

11. The fuel cell system according to claim 10, wherein the heat-exhausting path is a flow path of a fluid that
15 transfers the excessive quantity of heat.

12. The fuel cell system according to claim 11, wherein the flow path is disposed so as to be adjacent to a heat sink provided outside of the fuel cell.

13. A method of power generation of a fuel cell system
20 wherein a heat transfer is performed from a source of heat generation provided in electrical equipment to a fuel cell system including a fuel cell, and the temperature of the fuel cell system is controlled by the heat transfer to perform a power generation.

25 14. Electrical equipment comprising:

a source of heat generation;

a casing that houses the source of heat generation; and

a fuel cell system including a fuel cell and

temperature-controlling means that controls the temperature

5 of the fuel cell by performing a heat transfer from the
source of heat generation,

wherein the electrical equipment is driven by an
electric power supplied from the fuel cell system.

15. The electrical equipment according to claim 14,
10 wherein the fuel cell system is installed in the casing to
integrate the fuel cell system with the casing.